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DEC 16 2003

TRANSMITTAL  
FORM

(to be used for all correspondence after initial filing)

		Application Number	10/663,240
		Filing Date	September 16, 2003
		First Named Inventor	Bolgiano et al.
		Art Unit	Not Yet Known
		Examiner Name	Not Yet Known
Total Number of Pages in This Submission		Attorney Docket Number	I-1-0065.10US

## ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Form PTO-1449 and Copies of Twenty-Seven (27) Cited References
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		Remarks
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Frank A. Mazzeo	Reg. No. 46,259
Signature		
Date	12/11/03	

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In the PATENT APPLICATION of:

Bolgiano et al.

Application No.: 10/663,240

Our File: I-1-0065.10US

Confirmation No.: Not Yet Known

Date: December 11, 2003

Filed: September 16, 2003

For: WIRELESS TELEPHONE SYSTEM WITH  
DIVERSITY TRANSMISSION AND METHOD

Group: Not Yet Known

Examiner: Not Yet Known

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56,  
Applicants wish to bring to the Examiner's attention the material cited on the enclosed  
Form PTO-1449.

References CG-CJ, CP, CT-CV, CY and DF-DG were cited in office actions in  
related U.S. Application Nos. 10/059,640 (attorney docket no. I-1-0065.4US),  
10/096,207 (attorney docket no. I-1-0065.5US), 10/095,728 (attorney docket no.  
I-1-0065.6US), 10/096,180 (attorney docket no. I-1-0065.7US) and 10/096,015 (attorney  
docket no. I-1-0065.9US). Pursuant to 37 C.F.R. 1.98, copies of these U.S. patents are  
not enclosed.

The instant application is a member of a family of issued patents and patent  
applications that includes the following:

- 1) U.S. Patent No. 5,614,914 (attorney docket no. I-1-0065US);
- 2) U.S. Patent No. 5,663,990 (attorney docket no. I-1-0065.1US);

**Applicant: Bolgiano et al.**  
**Application No.: -----**

- 3) U.S. Patent No. 6,366,568 (attorney docket no. I-1-0065.2US);
- 4) U.S. Patent No. 5,859,879 (attorney docket no. I-1-0065.3US);
- 5) U.S. Patent Appln. No. 10/059,640 (attorney docket no. I-1-0065.4US);
- 6) U.S. Patent Appln. No. 10/096,207 (attorney docket no. I-1-0065.5US);
- 7) U.S. Patent Appln. No. 10/095,728 (attorney docket no. I-1-0065.6US);
- 8) U.S. Patent Appln. No. 10/096,180 (attorney docket no. I-1-0065.7US);
- 9) U.S. Patent Appln. No. 10/095,961 (attorney docket no. I-1-0065.8US);
- 10) U.S. Patent Appln. No. 10/096,015 (attorney docket no. I-1-0065.9US);  
and  
11) U.S. Patent Appln. No. 10/663,240 (attorney docket no. I-1-0065.10US).

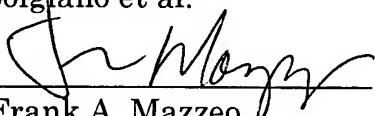
References CK-CN, CZ-DA and DE in the enclosed Form PTO-1449 are being resubmitted. Copies of these references also are enclosed.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the Form PTO-1449 indicating consideration of the cited materials.

Respectfully submitted,

Bolgiano et al.

By



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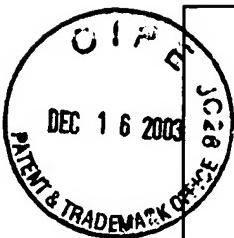
Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17<sup>th</sup> Street  
Philadelphia, PA 19103

FAM/sag  
Enclosures



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)								ATTY. DOCKET NO. I-1-0065.10US		SERIAL NO. 10/663,240					
								APPLICANT Bolgiano et al.							
								FILING DATE September 16, 2003		GROUP Not Yet Known					
U.S. PATENT DOCUMENTS															
EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	CG	4	7	9	9	2	5	2	01/1989	Eizenhoffer et al.					
	CH	5	3	4	7	5	3	5	09/1994	Karasawa et al.					
	CI	5	6	1	4	8	7	6	03/1997	Bolgiano et al.					
	CJ	5	6	2	5	8	7	6	04/1997	Gilhousen et al.					
FOREIGN PATENT DOCUMENTS															
		DOCUMENT NUMBER						DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION		
	CK	2	2	3	7	7	0	6	05/1991	GB				YES	NO
	CL	0	5	2	8	0	9	0	02/1993	Europe					
	CM	2	2	5	9	4	3	0	03/1993	United Kingdom					
	CN	9	3	0	6	6	6	9	04/1993	PCT					
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)															
	CO	Edited by William C. Jakes, Jr., "Microwave Mobile Communications," Bell Telephone Laboratories, North Andover, MA, pgs. 309-323 and 535-541, 1974.													
	CP	Kavehrad et al., "Direct-Sequence Spread Spectrum with DPSK Modulation and Diversity for Indoor Wireless Communications," IEEE, pgs. 224-236, 1987.													
	CQ	Pickholtz et al., "Field Tests Designed to Demonstrate Increased Spectral Efficiency for Personal Communications," IEEE Globcom, pgs. 878-882, 1991.													
	CR	Schilling et al., "Spread Spectrum for Commercial Communications," IEEE Communications Magazine, Vol. 29, Issue 4, pgs. 66-79, April 1991.													
	CS	Schilling et al., "PCN Field Test Experiments Using Broadband-CDMA," IEEE, pgs. 321-324, December 1991.													
	CT	Kauffman et al., "Digital Spread-Spectrum Multipath-Diversity Receiver for Indoor Communications," IEEE, pgs. 1038-1041, 1992.													
	CU	Esmailzadeh et al., "Direct Sequence Spread Spectrum Communication in Selection Diversity Channels by Time Division Duplex Technique," IEEE, pgs. 345-348, 1992.													
	CV	Xiang et al., "TDM/CDMA VSAT Network Integrating Voice/Data Service And Its Operation Management," IEEE, pgs. 476-480, 1992.													
EXAMINER								DATE CONSIDERED							

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)					ATTY. DOCKET NO. I-1-0065.10US	SERIAL NO. 10/663,240			
					APPLICANT Bolgiano et al.				
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U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER			DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER			DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
	CW	Ghassmzadeh et al., "Indoor Propagation and Fading Characterization of Spread Spectrum Signal at 2 GHz," IEEE, pgs. 56-60, 1992.							
	CX	Erceg et al., "Urban/Suburban Out-of-Sight Propagation Modeling," IEEE Communications Magazine, pgs. 56-61, June 1992.							
	CY	Whang et al., Performance Evaluation of a Direct-Sequence Spread-Spectrum Multiple-Access with Microscopic and Macroscopic Diversity in Mobile Radio Environment, IEEE, pgs. 803-806, 1993.							
	CZ	Seshadri et al., "Two Signaling Schemes For Improving The Error Performance Of Frequency-Division-Duplex (FDD) Transmission Systems Using Transmitter Antenna Diversity," Secaucus, NJ, New York, IEEE, US, pgs 508-511, May 18, 1993.							
	DA	Seshadri et al., "Advanced Techniques For Modulation, Error Correction, Channel Equalization, And Diversity," AT&T Technical Journal, US, American Telephone and Telegraph Co., New York, Vol. 72, No. 4, pgs. 48-63, July 1, 1993.							
	DB	"Ultraphone, System Description GP110," InterDigital Communications Corporation, pgs. 1-17, October 1993.							
	DC	Esmailzadeh et al., "Time Division Duplex Transmission of Direct Sequence Spread Spectrum Signals in Multipath Channels," IEEE, pgs. 1572-1576, 1994.							
	DD	"Ultraphone, System Technical Specification GP130, Interdigital Communications Corporation, pgs. 1-12, January 1994.							
	DE	Jack H. Winters, "The Diversity Gain Of Transmit Diversity In Wireless Systems With Rayleigh Fading," New Orleans, New York, IEEE, US, pgs. 1121-1125, May 1, 1994.							
	DF	Blanz et al., "Performance of a Cellular Hybrid C/CDMA Mobile Radio System Applying Detection and Coherent Receiver Antenna Diversity, IEEE, pgs. 568-579, May 1994.							
	DG	Esmailzadeh et al., "Quasi-Synchronous Time Division Duplex CDMA, IEEE, pgs. 1637-1641, 1994.							
EXAMINER					DATE CONSIDERED				

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.